



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

CARIBBEAN ENVIRONMENTAL PROTECTION DIVISION

CITY VIEW PLAZA II, SUITE 7000

GUAYNABO, PUERTO RICO 00968-8069

JAN 15 2014

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Article Number: 7009 2250 0003 8661 5994

Irma López
Director
Compliance and Quality Control Directorate
Puerto Rico Aqueduct and Sewer Authority
P.O. Box 7066
San Juan, Puerto Rico 00916-9990

**Re: Reconnaissance Inspection
Guánica Wastewater Treatment Plant
NPDES Permit Number PR0020486**

Dear Mrs. López:

On November 21, 2013, the United States Environmental Protection Agency (EPA) conducted a Reconnaissance Inspection (RI) at the Guánica Wastewater Treatment Plant. The purpose of the inspection was to assess PRASA's operational and maintenance practices at the facility.

Enclosed you will find a copy of the Water Compliance Inspection Report, which summarizes our findings during the RI. Within forty five (45) calendar days of receipt of this letter, please respond with the actions PRASA has taken or will be taken to address the findings of the inspection.

Should you have any questions, feel free to contact me or Miguel A. Batista of my staff at (787) 977-5823.

Cordially,

Jaime A. Géliga
Chief

Municipal Water Programs Branch
Caribbean Environmental Protection Division

Enclosure

cc. Roberto Ayala, EQB
David Velázquez, PRASA
Nashaly Berríos, PRASA
Jeannette Vélez, PRASA



United States Environmental Protection Agency
Washington, D.C. 20460

Water Compliance Inspection Report

Form Approved.
OMB No. 2040-0057
Approval expires 8-31-98

Section A: National Data System Coding (i.e., PCS)

Transaction Code	NPDES	yr/mo/day	Inspection Type	Inspector	Fac Type
1 N 2 5 3 P R 0 0 2 0 4 8 6 11 12 1 3 1 1 2 1 17 18 R 19 R 20 1					
Remarks					
2					
Inspection Work Days Facility Self-Monitoring Evaluation Rating B1 QA Reserved					
6 2 0 69 70 1 71 72 73 74 75 80					

Section B: Facility Data

Name and Location of Facility Inspected (for industrial users discharging to POTW, also include name and NPDES permit number)	Entry Time/Date	Permit Effective Date
GUÁNICA WASTEWATER TREATMENT PLANT YAGUER ST. Guánica, P.R. 00653	9:45 am 11/21/2013	12/01/2008
	Exit Time/Date	Permit Expiration Date
	11:00 am 11/21/2013	11/30/2013
Name(s) of On-Site Representative(s)/Title(s)/Phone and Fax Number(s)	Other Facility Data	
787-821-2865 See attached report for on-site representative		
Name, Address of Responsible Official/Title/Phone and Fax Number(s)		
Hector Gierbolini Executive Regional Director PRASA South Region		
Contacted <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Section C: Areas Evaluated During Inspection (Check only those areas evaluated)

<input checked="" type="checkbox"/> Permit	<input checked="" type="checkbox"/> Flow Measurement	<input checked="" type="checkbox"/> Operations & Maintenance	CSO/SSO (Sewer Overflow)
<input checked="" type="checkbox"/> Records/Reports	<input checked="" type="checkbox"/> Self-Monitoring Program	<input checked="" type="checkbox"/> Sludge Handling/Disposal	Pollution Prevention
<input checked="" type="checkbox"/> Facility Site Review	Compliance Schedules	Pretreatment	Multimedia
<input checked="" type="checkbox"/> Effluent/Receiving Water	Laboratory	Storm Water	Other: Pump Stations

Section D: Summary of Findings/Comments (Attach additional sheets of narrative and checklists as necessary)

See attached report for findings.

Name(s) and Signature(s) of Inspector(s)	Agency/Office/Phone and Fax Numbers	Date
 Miguel A. Batista, Environmental Engineer	CEPD-MWPB (787) 977-5823 (ph) ; (787) 289-7104 (fax)	1/14/14
Signature of Management Q A Reviewer	Agency/Office/Phone and Fax Numbers	Date
 Jaime A. Géliga, Chief Municipal Water Programs Branch	CEPD-MWPB (787) 977-5840 (ph) ; (787) 289-7104 (fax)	1/14/14

**Summary of Findings/Comments
Water Compliance Inspection Report Form
(EPA Form 3560-3)**

RECONNAISSANCE INSPECTION

Facility Name: Guánica WWTP
NPDES Permit Number: PR0020486
PRASA Representative: Amalio Quirós, Plant Operator
Julio I. Fraticelli, Plant Operator

I. BACKGROUND

A Reconnaissance Inspection (RI) was conducted on November 21, 2013 at the Guánica WWTP. The RI consisted of an opening interview to discuss the purpose of the inspection and to request information about the facility. A walk through the plant was performed to evaluate its operational conditions. Also, a grab sample of the effluent was collected to evaluate the appearance of the discharge at the time of the inspection.

II. PLANT OPERATION AND MAINTENANCE

The Guánica WWTP consists of two treatment modules. One module is a 0.5 MGD activated sludge conventional package plant (Old Plant) and the second module is a 1.25 MGD Biological Nutrient Removal (BNR) treatment plant (New Plant). At the time of the RI, the BNR module was not in operation.

At the time of the RI, Mr. Amalio Quirós and Mr. Julio I. Fraticelli were acting as Plant Operators for the Guánica WWTP. Mr. Quirós has obtained the certification as a Wastewater Treatment Plant Operator Level IV # 2099 which expires on April 22, 2014. Mr. Fraticelli has obtained the certification as a Wastewater Treatment Plant Operator Level IV # 2249 which expires on March 15, 2015.

III. FACILITY SITE REVIEW – SUMMARY OF FINDINGS

A. Equipment and/or treatment units identified in poor operational conditions during a previous Compliance Evaluation Inspection (CEI) conducted on May 7, 2013; were identified and verified at the time of the RI, and are summarized in the following table:

Findings May 7, 2013 CEI	Findings November 21, 2013 RI
1) The hand-rails at the dechlorination room were broken.	Corrected. It was documented on the Operator's Log Book on May 15, 2013.
2) The diesel level ruler for the Alternate Power Unit (APU) did not work. The operator has not a safe access to add diesel for this unit.	Not corrected.

Findings May 7, 2013 CEI	Findings November 21, 2013 RI
3) The addition of water for the new APU's radiator, results unsafe as well for the operator who needs to stand on the APU's motor to perform this task. This unit has no stairs or a safe mechanism to access it.	Not corrected.

B. The following table details the equipment that was out of service or in malfunction as listed in the AAA-48 Form at the time of the previous CEI conducted on May 7, 2013:

EQUIPMENT	DATE	NOTIFICATION #	STATUS AT THE TIME OF THE RI
1) Poly Blend System	September 20, 2011	10072295	Corrected on May 30, 2013. It was documented on the Operator's Log Book.
2) MCC Blowers Room Exhaust Fan	May 1, 2013	10162269	Corrected on May 9, 2013. It was documented on the Operator's Log Book.
3) NPW Pumps Control Panel	April 10, 2013	10165453	Corrected on May 10, 2013. It was documented on the Operator's Log Book.
4) Influent Pump # 2 Wet Well	February 7, 2013	10150326	Corrected on July 19, 2013. It was documented on the Operator's Log Book.
5) Flow Meter Filter Press	May 2, 2013	10170795	Corrected on October 14, 2013. It was documented on the Operator's Log Book.
6) Flow Meter Old Plant	May 2, 2013	10170798	According to the operators, on November 4, 2013, PRASA determined that this equipment will not be longer in service. It was not documented on the Operator's Log Book.
7) Wet Well Influent Exhaust Fan	May 2, 2013	10170968	PRASA has determined that this equipment will not be longer necessary at the plant. It was documented on the Operator's Log Book on November 6, 2013.

C. At the time of the RI, the operational status of the following equipment either out of service or in malfunction was listed in Form AAA-48 as follows:

1) Blowers and Generator Building

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
Motor-Blower # 3 (old plant)	208952	10173756	May 14, 2013	Out of operation.
Exhaust Fan - Blowers Room - Bathroom	1112474	10210393	September 24, 2013	Out of service.
Exhaust Fan - Blowers Room	1112475	10210394	September 24, 2013	Out of service.

2) Chlorination Building

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
Booster Pump Potable Cl ₂	1104903	10220593	October 30, 2013	Leak.
Automatic Chlorine Dosifier	1114753	10221654	November 4, 2013	Obstructed vacuum.
Chlorine Gas Detector 4	1110020	10223515	November 11, 2013	Inactive alarm.

3) BNR Building – Influent Dry Pit

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
Paddle Drive Degritter # 1	209655	10221656	November 4, 2013	Oil change.
Paddle Drive Degritter # 2	209656	10221657	November 4, 2013	Oil change.
Influent Pumps Panel (new plant)	213036	10221658	November 4, 2013	It does not operate in automatic mode.
Motor – Panel Drive Degritter # 1	1115315	10221659	November 4, 2013	Flooded area.
Motor – Panel Drive Degritter # 2	1115316	10221660	November 4, 2013	Flooded area.

4) BNR Building – Filter Press

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
Filter Press	1107285	10184561	June 25, 2013	Correct angular structure
Transmission	1112468	10184564	June 15, 2013	Chain change/paint.

5) BNR Building - Generator

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
Generator	1102660	10223524	November 11, 2013	Broken radiator.

6) BNR Building – Blowers

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
MCC BNR Room	213035	10207725	September 17, 2013	Out of operation. Cables were stolen.

7) Other

EQUIPMENT	SAP #	NOTIFICATION #	DATE	COMMENT
Exterior Illumination	-----	1020687	September 8, 2013	Out of operation.

D. Other Observations:

- 1) Housekeeping practices (landscape) must be improved.
- 2) The calibration for the thermometers of both auto-samplers (influent and effluent) expired on November 2, 2013.
- 3) The influent and effluent auto-sampler hoses need to be changed, both were dirty.

IV. EFFLUENT QUALITY

A grab sample of the effluent was taken by PRASA at the sampling point 001 for appearance purposes; revealing that it was clear, and had no solids: (please indicate if present)

color – No.	visible foam – No.
grease – No.	visible floatable solids – No.
oil sheen – No.	other – N/A.
turbidity* – No.	

* Based on observations, it's not a quantitative measure.

V. CONCLUSION

Please note that Part C.5 of Attachment I of the permit requires the permittee to properly operate and maintain all facilities and systems for collection and treatment (and related appurtenances) which are installed or used to achieve compliance.